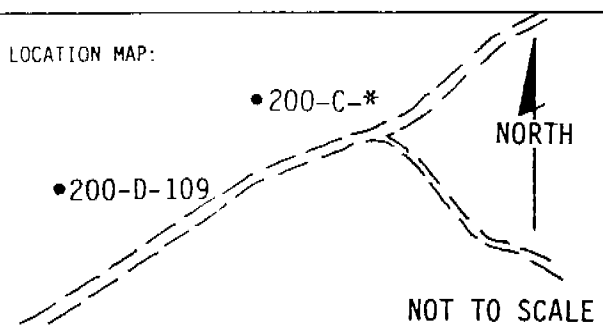


## LITHOLOGIC LOG

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## LOCATION MAP:



NW 1/4 NW 1/4 SW 1/4 NE 1/4 S 2 T21S R3E

SITE ID: NASA-WSTF LOCATION ID: 200-D-109

SITE COORDINATES (ft.):

N 226387.74 E 416394.52GROUND ELEVATION (ft. MSL): 4795.79 (Brass Cap)STATE: NEW MEXICO COUNTY: DOÑA ANADRILLING METHOD: MUD/AIR-FOAM ROTARYDRILLING CONTR.: LARJONDATE STARTED: 7 MARCH 1987 DATE COMPLETED: 12 MARCH 1987FIELD REP.: B. HOBBS/P. LINLEYCOMMENTS: Top Bedrock at -110'. Total Depth = 140'.

## LOCATION DESCRIPTION:

Depth	Visual %	Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
				0'-140' cuttings	0'-110' <u>ALLUVIUM (Santa Fe Group)</u>
5	VVVVVV				0 - 20' Dark yellowish orange (10YR 6/6) to grayish black (N2); medium- to coarse-grained cuttings; subrounded to subangular; moderately sorted. Cuttings include quartzite, volcanics, caliche and siltstone.
10	VVVVVV				
15	VVVVVV		begin time		
20	VVVVVV				20 - 30' Moderate orange pink (5YR 8/4) to medium dark gray (N4); cuttings are coarse-grained sand to pebbles up to 1" in diameter; subangular. Cuttings include siltstone and caliche.
25	////		20		
30	////				30'-45' Moderate orange pink (5 YR 8/4) to dark gray (N3); cuttings are coarse-grained sand to pebbles up to .75" in diameter; subangular to angular. Caliche coating on most limestone clasts.
35	OOOO		10		
40	OOOO				
45	OOOO				45'-65' Moderate orange pink (5YR 8/4) to grayish black (N2); coarse-grained to very coarse-grained sand and pebbles up to .75" in diameter; subangular to angular. Predominately limestone clasts with caliche coatings.
50	++++		40		

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					<u>ALLUVIUM (Santa Fe Group) Continued</u>
50	+++++○○○		end time		
55	+++++○○○		50'-140' not available		
60	+++++○○○				
65	+++++○○○				65'-85' light brown (5 YR 6/4) to medium dark gray (N4); medium to very coarse-grained sand with pebble size clasts up to .75" in diameter. Cutting lithologies include siltstone, limestone and caliche.
70	//////++○				
75	//////++				
80	//////+				
85	//////+				85'-95' Grayish orange (10YR 7/4) to medium dark gray (N4); medium to very coarse-grained sand with pebble size clasts up to .75" in diameter; sub-rounded to angular. Limestone and siltstone predominate.
90	//////++++				
95	//////++++				95'-105' Dusky red (5R 3/4) to moderate brown (5YR 4/4); cuttings are medium to very coarse-grained with pebble size clasts up to .75" in diameter; subangular to angular. Siltstone predominates.
100	//////+				
105	//////+				105'-110' Dark yellowish orange (10 YR 6/6) to grayish black (N2); cuttings are medium to very coarse-grained with pebbles up to .5" diameter; subrounded to angular. Siltstone and limestone predominate.
110	+++++////				
115	+++++////				110'-140' <u>LIMESTONE (Hueco Formation ?)</u> Black (N1) to dark yellowish brown (10YR 4/2); cuttings are medium to very coarse-grained with pebbles up to .5" in diameter; angular. Consolidated limestone bedrock. Cutting lithologies include limestone and siltstone with some caliche coatings.

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					<u>LIMESTONE (Hueco Formation ?)</u> Continued
115					
120					
125					
130					
135					
140					Total Depth = 140'.
145					
150					
155					
160					
165					
170					
175					
180					